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DERWENT-WEEK: 199502

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TITLE: Tariff calculating method for service using chip card - reducing value of chip card according to usage of toll roads by driver, and allowing driver to replenish value of card at pay station

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 4334152 A1	December 1, 1994	N/A	003	G07B 015/00
AU 9466450 A	December 20, 1994	N/A	000	G07B 015/00
WO 9428512 A1	December 8, 1994	G	009	G07B 015/00

INT-CL (IPC): G07B015/00, G07F007/08, G07F017/24

ABSTRACTED-PUB-NO: DE 4334152A

BASIC-ABSTRACT:

The tariff calculating method allocates tariffs to different users of services. Each user is allocated an account on his/her charge storage card (chip card). When a service is used, the value is subtracted from the account. The readable and writable chip card also functions as a driver's license or personal ID card, cheque card, or credit card.

The chip card is bought at a pay station for a certain amount, the value of which is reduced according to the use of toll roads by a driver. The value of the card can be later replenished at the same or other pay station after it has been fully or almost fully exhausted.

USE/ADVANTAGE- Calculating use of toll roads for vehicle. Optimal data

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Abstract Text - FPAR (1):

The invention relates to a process for charging usage fees for services by means of a machine-readable and writable value storage card, particularly a smart card, carried by the user on which a credit is recorded which is reduced by the appropriate sum when a service is used, especially toll sections within a motorway fee charging system, in which the use of the section is shown by finding the position of the vehicle via satellite navigation. In order to allocate the usage fees to various providers of services who are not the same as the operator of the toll points, each provider whose services are accepted by the user is allocated a credit account on the card to which the individual usage fee just deducted from the value is credited and, when the credit is made up again, the credit accounts of the individual providers are automatically read out from the card, erased therefrom and used for the proportional distribution of the monies received at the payment stations to the various providers.